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IN THE CLAIMS:

1. (Previously Presented) A system for attaching a bone cover or a bone

fragment to a skull, the system comprising:

an implant including:

a support element having an upper side and a lower side;

an extension extending substantially at a right angle from the lower

side of the support element to an end remote from the support element and

substantially straight between the support element and the end; and

at least one spike extending substantially parallel to the support

element such that the spike can be driven laterally into the bone cover or

bone fragment prior to positioning the bone cover or bone fragment

adjacent to the skull,

wherein the support element comprises two support arms extending

in opposite directions from the extension with the first of the two support

arms defining a screw hole therein for receiving a fastener to secure the

first support arm to the skull after the spike has been driven laterally into

the bone cover or bone fragment and after positioning the bone cover or

bone fragment adjacent to the skull and the second of the two support arms

for cooperating with the bone cover or bone fragment when driving the

spike laterally into the bone cover or bone fragment,

an implant delivery device including:

a body;

a receiving element supported by the body and defining a

receiving structure at one end thereof for receiving the implant;

a driving-in mechanism operative with the receiving element for

driving the at least one spike of the implant laterally into the bone cover

or bone fragment; and

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an operating mechanism coupled to the body to actuate the

driving-in mechanism.

2-4. (Canceled)

(Previously Presented) The system according to Claim 1, wherein the lower

side of the support element is concave or spherically curved at least in sections.

6. (Previously Presented) The system according to Claim 1, wherein the spike

is disposed at the end of the extension remote from the support element and extends from

the end of the extension remote from the support element.

7-9. (Canceled)

10. (Previously Presented) The system according to Claim 1, wherein the

support element has a thickness increasing in the direction of the screw hole.

11. (Previously Presented) The system according to Claim 1, wherein an inside

of the screw hole is spherically curved.

12-28. (Canceled)

29. (Previously Presented) The system according to Claim 1, wherein the

spike extends from the extension in a same direction as the second support arm and

cooperates with the second support arm and the bone cover or bone fragment to anchor

the implant.

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30. (Previously Presented) The system according to Claim 1, wherein the

spike has a substantially triangular form.

31. (Previously Presented) The system according to Claim 30, wherein the

second support arm extends in a same direction as the substantially triangular spike and

cooperates with the substantially triangular spike and the bone cover or bone fragment

to anchor the implant.

32-37. (Canceled)

38. (Previously Presented) The system according to Claim 1, wherein the

extension is inelastic such that the extension extends rigidly from the lower side of the

support element.

39. (Previously Presented) The system according to Claim 29, wherein the

second support arm has a length and the spike extends from the extension more than

one half the length of the second support arm to anchor the implant.

40. (Previously Presented) The system according to Claim 1, wherein the

second support arm has a length and the spike extends from the extension more than

one half the length of the second support arm to anchor the implant.

41. (Previously Presented) The system according to Claim 40, wherein the

upper side of the support element is continuous across the second support arm such that

the second support arm is free of any screw hole.

42-43. (Canceled)

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44. (Previously Presented) A method of attaching a bone cover or a bone

fragment to a skull with a self-retaining implant comprising a support element having a

lower side, an extension extending substantially at a right angle from the lower side of

the support element to an end remote from the support element and substantially

straight between the support element and the end, and at least one spike extending

substantially parallel to the support element, wherein the support element includes two

support arms extending in opposite directions from the extension with the first of the

two support arms defining a screw hole therein for receiving a fastener and the second

of the two support arms for cooperating with the bone cover or bone fragment, said

method comprising the steps of:

providing an implant delivery device including a body, a receiving element

supported by the body and defining a receiving structure at one end thereof to receive

the implant, a driving-in mechanism operative with the receiving element for driving

the spike laterally into the bone cover or bone fragment, and an operating mechanism

coupled to the body to actuate the driving-in mechanism;

positioning the implant in the receiving structure of the receiving element;

actuating the driving-in mechanism and driving the spike laterally into the bone

cover or bone fragment;

positioning the bone cover or bone fragment adjacent to the skull after driving

the spike laterally into the bone cover or bone fragment; and

securing the first support arm to the skull after positioning the bone cover or

bone fragment adjacent to the skull.

45. (Canceled)

46. (Previously Presented) The system according to Claim 1, wherein the

receiving element includes an end such that a striking force can be applied to the receiving

element end by the driving-in mechanism.

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47. (Previously Presented) The system according to Claim 1, wherein the driving-in mechanism comprises a striking element displaceable against a spring force.

48-49. (Canceled)